



## Sideloading side mover system

The most efficient way to load or discharge unitised cargo, pallets and paper rolls is by the shortest possible path – through the ship's side – using a TTS side mover system. SWLs for a single lift range from 2 to 8 tonnes. The system is ideal for smaller dry cargo ships and offers the possibility of tandem operation of the lifts for handling long cargo. Key benefits of a sideloading system are: low damage rates, operation independent of tidal variations, small demand on port facilities, and high loading capacity.

The TTS side mover has a fixed guiding column for the lift. The lift comprises a wheel frame with an articulated lever system between the frame and the platform.

This patented system allows straight-line movement of the platforms during operation from ship to quayside or vice versa. This enables a parallel movement of the two platforms, allowing them to work together in tandem and allowing longer goods such as steel bars and wood packets to be loaded. Typical loading capacity of each lift is 2–8 tonnes SWL.

The system requires only a small cut-out in the decks and is therefore ideal for conversion projects.

The loading operation is controlled and monitored from a control cabin normally located in the elevator tower. The system can be operated in manual mode where the operator for each cycle selects the desired deck, or automatically where operation between quay and a predefined deck uses infrared light status from the forklift trucks.

### The side door

The most commonly installed side door is the standard TTS single unit upward sliding and tilting door. Alternatively a top-hinged upward folding type can be deployed.

The sliding and tilting side door has been installed in a number of ships since 1987 and this proven and reliable hydraulically operated side door is supplied complete with hydraulic and mechanical equipment for easy and rapid installation. Opening is achieved by sliding the door upwards and then tilting it above the elevator tower to form a rain shelter above the loading area.

